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PATENT & TRADEMARK

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SEQUENCE LISTING

<110> Ashikari, Toshihiko
Ochiai, Misa

<120> Method of Breeding Yeast

<130> 46221

<140> US 09/869,185

<141> 2001-06-25

<150> PCT/JP00/07491

<151> 2000-10-26

<160> 30

<210> 1

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> FRT sequence used in present invention contains SEQ ID NO:1

<400> 1
gaagttccta tactttctag agaataggaa ctcc

34

<210> 2

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> FRT2 which is one of a pair of FRT sequences (FRT2/FRT102)
used in a DNA construct of the present invention

<400> 2
gaagttccta tactttctag agaataggaa c

31

<210> 3

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> FRT102 which is one of a pair of FRT sequences (FRT2/FRT102) used in a DNA construct of the present invention

<400> 3

gttcctatac tttctagaga ataggaactt c

31

<210> 4

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> FRT2W sequence reconstructed by recombination from a pair of FRT sequences (FRT2/FRT102)

<400> 4

gttcctatac tttctagaga ataggaac

28

<210> 5

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT3 which is one of a pair of FRT sequences (FRT3/FRT103) used in a DNA construct of the present invention

<400> 5

gaagttccta tacttttctag agaatagga

29

<210> 6

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT103 is one of a pair of FRT sequences (FRT3/FRT103)

used in a DNA construct of the present invention

<400> 6
ttcctataact ttctagagaa taggaacttc 30

<210> 7

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT3W sequence reconstructed by recombination from a pair
of FRT sequences (FRT3/FRT103)

<400> 7
ttcctataact ttctagagaa tagga 25

<210> 8

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT4 which is one of a pair of FRT sequences (FRT4/FRT104)
used in a DNA construct of the present invention

<400> 8
gaagttccta tactttctag agaatag 27

<210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT104 is one of a pair of FRT sequences (FRT4/FRT104)
used in a DNA construct of the present invention

<400> 9
ctatacttttc tagagaatag gaacttc 27

<210> 10
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> FRT4W sequence reconstructed by recombination from a pair
 of FRT sequences (FRT4/FRT104)
 <400> 10
 ctatactttc tagagaatag 20

 <210> 11
 <211> 40
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide synthesized to insert the FRT1-a sequence
 (including wild-type FRT sequence) into a plasmid
 <400> 11
 tcgacgaagt tcctatactt tctagagaat aggaacttcg 40

 <210> 12
 <211> 40
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide synthesized to insert the FRT1-b sequence
 (including wild-type FRT sequence) into a plasmid
 <400> 12
 aattcgaagt tcctattctc tagaaagtat aggaacttcg 40

 <210> 13
 <211> 44
 <212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT101-a sequence
(including wild-type FRT sequence) into a plasmid

<400> 13

agcttgaagt tcctatactt tctagagaat aggaacttcg catg

44

<210> 14

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT101-b sequence
(including wild-type FRT sequence) into a plasmid

<400> 14

cgaagttcct attctctaga aagtatagga acttca

36

<210> 15

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT2-a sequence

<400> 15

ctagagaata ggaacg

16

<210> 16

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT2-b sequence

<400> 16

aattcggttcc tattct 16

<210> 17

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT102-a sequence

<400> 17

agcttggttcc tatacttt 18

<210> 18

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT102-b sequence

<400> 18

ctagaaagta taggaaca 18

<210> 19

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT3-a sequence

<400> 19

ctagagaata ggag 14

<210> 20

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT3-b sequence

<400> 20

aattctocta ttct

14

<210> 21

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT103-a sequence

<400> 21

agctttccta tacttt

16

<210> 22

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT103-b sequence

<400> 22

ctagaaagta taggaa

16

<210> 23

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT4-a sequence

<400> 23

ctagagaata gg

12

<210> 24
 <211> 12
 <212> DNA
 <213> Artificial Sequence
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 <223> Sequence of synthetic DNA used to prepare FRT4-b sequence
 <400> 24
 aattcctatt ct 12

<210> 25
 <211> 14
 <212> DNA
 <213> Artificial Sequence
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 <223> Sequence of synthetic DNA used to prepare FRT104-a sequence
 <400> 25
 agcttctata cttt 14

<210> 26
 <211> 14
 <212> DNA
 <213> Artificial Sequence
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 <223> Sequence of synthetic DNA used to prepare FRT104-b sequence
 <400> 26
 ctagaaagta taga 14

<210> 27
 <211> 29
 <212> DNA
 <213> Artificial Sequence
 <220>

<223> Oligonucleotide (GIN-1) synthesized to prepare a plasmid containing GIN11

<400> 27

tggatccgga atttcgacgg atcaataac

29

<210> 28

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide (GIN-2) synthesized to prepare a plasmid containing GIN11

<400> 28

ttctgcagac tagatgcact catatcatta tgcac

35

<210> 29

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA to prepare a combined FRT3-b / FRT103-b sequence

<400> 29

aattctccta ttctctagaa agtataggaa

30

<210> 30

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA to prepare a combined FRT103-a / FRT3-a sequence

<400> 30

agctttccta tactttctag agaataggag

30